

FIG. 1
PRIOR ART

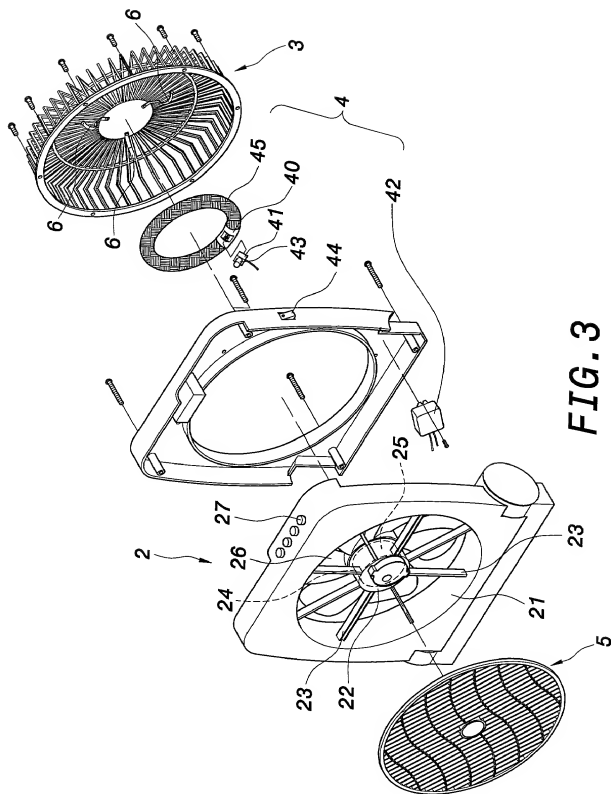


FIG. 3

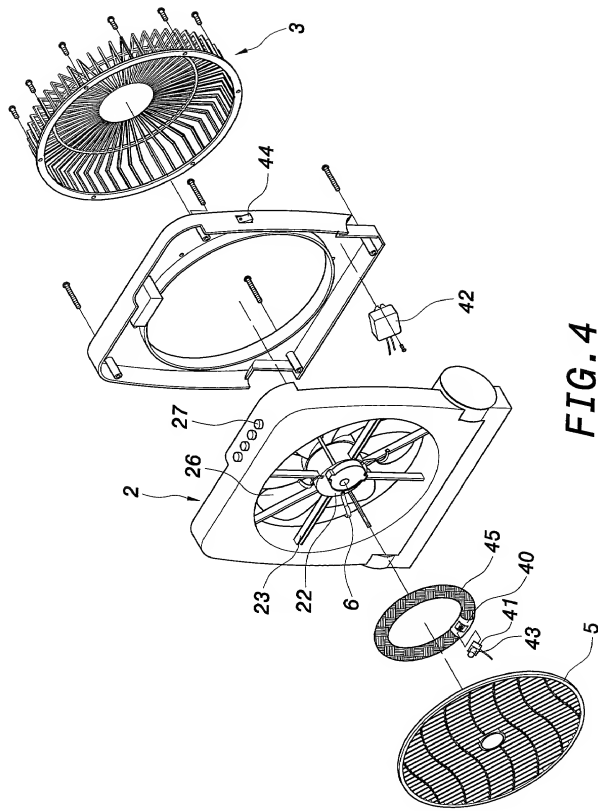


FIG. 4

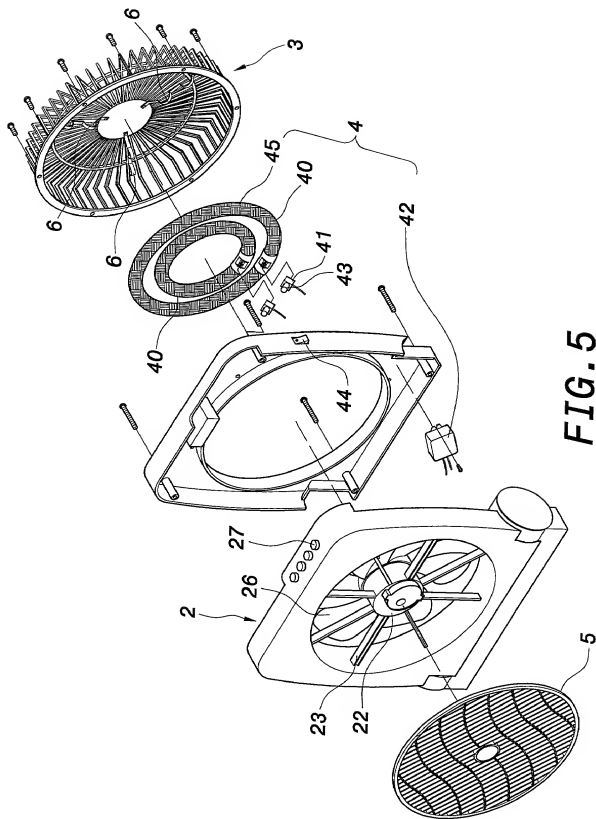


FIG. 5

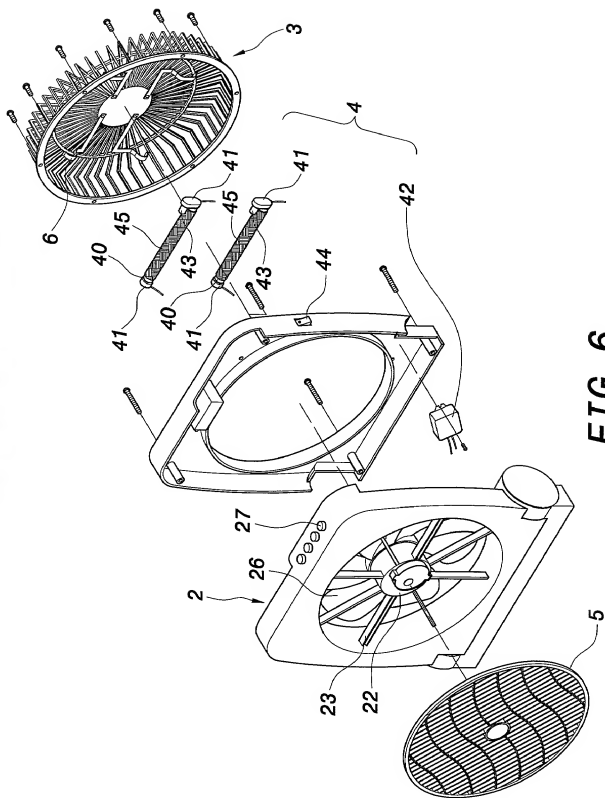


FIG. 6

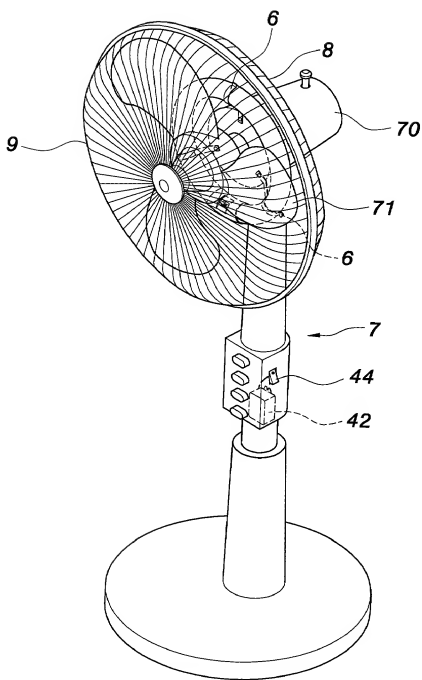


FIG. 7

A line graph showing the relationship between illumination time (min) on the x-axis and gas concentration (ppm) on the y-axis. The x-axis ranges from 0 to 100 minutes with major ticks every 20 units. The y-axis ranges from 0.00 to 25.00 ppm with major ticks every 5.00 units. A single data series, labeled 'gas concentration', is plotted as a line with circular markers. The concentration starts at approximately 22.5 ppm at 5 minutes and decreases steadily, reaching approximately 5.0 ppm at 80 minutes.

illumination time (min)	gas concentration (ppm)
5	22.5
15	19.0
25	16.5
35	13.0
45	9.5
55	8.0
65	7.0
75	6.0
85	5.0

FIG. 8A

A line graph showing the relationship between illumination time (min) on the x-axis and gas concentration (ppm) on the y-axis. The x-axis ranges from 0 to 100 with major ticks every 20 units. The y-axis ranges from 0.00 to 25.00 with major ticks every 5.00 units. A single data series, labeled 'gas concentration', is plotted as a line with circular markers. The concentration starts at approximately 19.0 ppm at 0 minutes and decreases steadily to about 8.5 ppm at 80 minutes.

illumination time (min)	gas concentration (ppm)
0	19.0
12	16.0
22	15.0
32	13.0
42	12.0
52	11.0
62	10.0
72	9.0
82	8.5

FIG. 8B

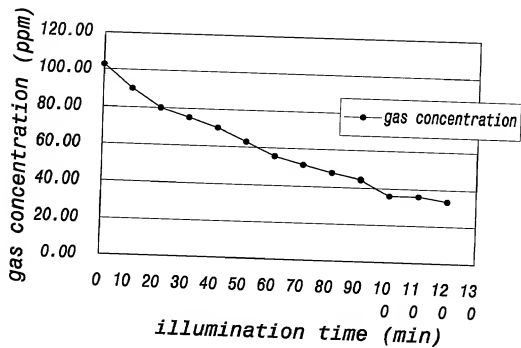


FIG. 9A

A line graph showing the relationship between illumination time (min) on the x-axis and gas concentration (ppm) on the y-axis. The x-axis ranges from 0 to 60 minutes with major ticks every 10 minutes. The y-axis ranges from 0.00 to 60.00 ppm with major ticks every 10.00 ppm. A single data series, labeled 'gas concentration' in the legend, is plotted with black square markers connected by a solid line. The data points show a sharp decrease in gas concentration from 51.00 ppm at 0 minutes to approximately 21.00 ppm at 20 minutes, followed by a more gradual decline to about 15.00 ppm at 50 minutes.

illumination time (min)	gas concentration (ppm)
0	51.00
10	33.00
20	21.00
30	18.00
40	15.50
50	15.00

FIG. 9B